

# The Afghanistan Agrometeorological Monthly Bulletin



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Agromet Network



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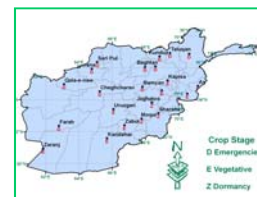
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## Crop Information

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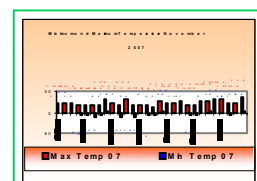
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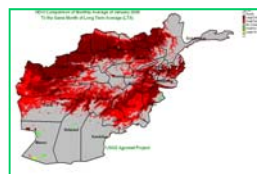
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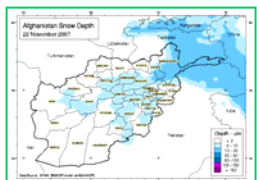
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Province	Damaged lands	Actual mortality	Human mortality	Affected families
Badkhash	4000 ha	50	10 people (27 injured)	500
Logar	2000 ha	-	-	-
Kapisa	2700 ha	-	-	30
Kapisa	1000 ha	-	-	-

## Summary

In Afghanistan Wet season has given way to dry weather during the summer 2009. During the month of September 2009 over the same month of last year 2008 shows no significant change occurred in rainfall situation in the country.

Comparison of temperature for the month of September 2009 compared to the same month of September 2008 shows not significant change across the country but temperature was colder in high elevations. Farah with 44.7 ° C was the warmest spot of the country and Bamyan with 3.4 ° C experienced lowest temperature during the month of September 2009.

Comparison of monthly average of NDVI for the month of September 2009 with the same month

in 2008 shows small increase in the Northern region, Northwestern region. Some parts in Central Highlands and Capital region during the month of September 2009 compared to the same month of last year, and large increase occurred in NDVI in limited area in North-eastern region too.

Wheat as a dominated cereal crop has been harvested during September 2009 in all over the country. About other crops like Maize and Rice these are cultivated in most parts of the country in 2009. Comparison of maize and rice cultivation shows more increase than last year 2008 in most parts in all over the country in different Provinces and have different stages.

### Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Maize Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Grain filling	Normal	Not existed
	Panjsher	Dashtak	Dashtak	Grain filling	Normal	Not existed
	Karizmir	Shakardara	Shakardara	Grain filling	Normal	Not existed
	Parwan	Charikar	Charikar	Grain filling	Normal	Not existed
	Kapisa	Mahmoodraqi	Mahmoodraqi	Grain filling	Normal	Not existed
Eastern	Noristan	Paroon	Paroon	Grain filling	Normal	Hail
	Nangarhar	Agam	Agam	Grain filling	Normal	Not existed
		Batikut	Ghaziabad	Grain filling	Normal	Not existed
		Jalalabad	Sheshembagh	Harvesting	Maize is already harvested in these areas.	
		Jalalabad	Farm Jadeed	Harvesting		
	Kunar	Asmar	Asmar	Grain filling	Normal	Not existed
		Asadabad	Asadabad	Grain filling	Normal	Not existed
	Laghman	Mihtarlam	Mihtarlam	Grain filling	Normal	Not existed
Northeastern	Takhar	Bangi	Bangi	Grain filling	Normal	Maize Smut and Aphis
		Taluqan	Taluqan	Grain filling	Normal	Maize Smut and Aphis
	Kunduz	Imam Sahib	Imam Sahib	Grain filling	Normal	Maize Smut and Aphis
		Qaliazal	Aqtipa	Grain filling	Normal	Maize Smut and Aphis
		Chardara	Chardara	Grain filling	Normal	Maize Smut and Aphis
		Kunduz	Kunduz	Grain filling	Normal	Maize Smut and Aphis
	Baghlan	Pulikhomri	Pozashan	Grain filling	Normal	Not existed
	Badakhshan	Faizabad	Faizabad	Grain filling	Normal	Not existed

## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Maize Crop Stage	Crop Condition	Adverse Factor
South Eastern	Khost	Khost	Khost	Harvesting	Maize is already harvested in these areas.	
		Khost	Shimal	Harvesting		
		Ali Sher	Ali Sher	Harvesting		
	Paktai	Zormat	Rohani Baba	Harvesting		
		Gardiz	Tera	Harvesting		
	Paktika	Urgon	Urgon	Harvesting		
		Sharana	Sharana	Grain filling	Normal	Not existed
		Khairkot	Khairkot	Grain filling	Normal	Not existed
	Ghzni	Muqur	Muqur	Harvesting	Maize is already harvested in these areas.	
South Western	Kandahar	Kandahar	Kandahar	Grain filling	Normal	Not existed
	Zabul	Qalat	Qalat	Grain filling	Normal	Not existed
	Urozgan	Tarinkot	Tarinkot	Grain filling	Normal	Not existed
	Hilmand	Nad Ali	Nad Ali	Grain filling	Normal	Not existed
		Greshk	Greshk	Grain filling	Normal	Not existed
		Nawa	Nawa	Grain filling	Normal	Not existed
		Lashkargah	Bolan	Grain filling	Normal	Not existed
Northern	Balkh	Dihdadi	Dihdadi	Grain filling	Normal	Not existed
		Nahrishahi	Nahrishahi	Grain filling	Normal	Not existed
	Jawzjan	Sheberghan	Sheberghan	Grain filling	Normal	Not existed
		Darzab	Darzab	Grain filling	Normal	Not existed
	Saripul	Saripul	Saripul	Grain filling	Normal	Not existed
		Sozmaqala	Sozmaqala	Grain filling	Normal	Not existed
	Faryab	Maimana	Maimana	Grain filling	Normal	Not existed
	Samangan	Aibak	Aibak	Grain filling	Normal	Not existed
		Dara Souf Bala	Dara Souf Bala	Grain filling	Normal	Not existed
Western	Badghis	Qalainow	Qalainow	Flowering	Normal	Not existed
		Muqur	Muqur	Flowering	Normal	Not existed
	Hirat	Shindand	Shindand	Grain filling	Normal	Not existed
		Hirat	Zindajan	Grain filling	Normal	Not existed
	Farah	Farah	Farah	Grain filling	Normal	Not existed

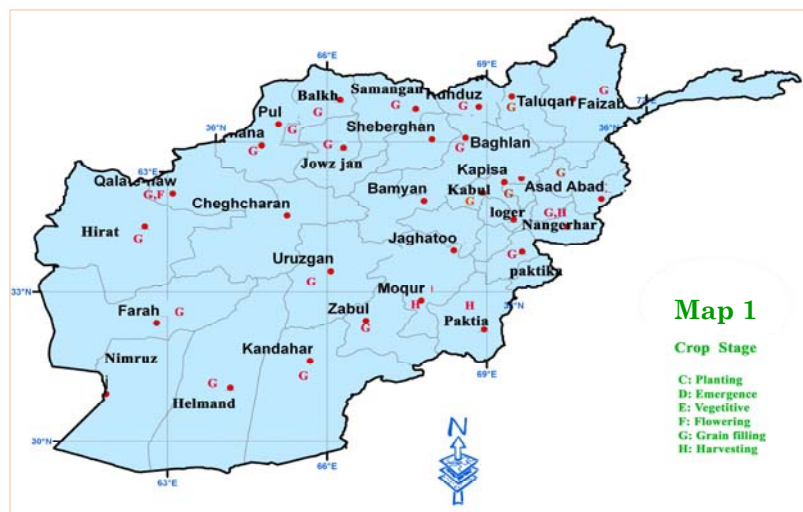
## Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Rice Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Harvesting	Rice is already harvested in this area.	
Eastern	Nangarhar	Agam	Agam	Grain filling	Good (better than normal)	Not existed
		Batikot	Ghaziabad	Grain filling	Good (better than normal)	Not existed
		Jalalabad	Sheshembagh	Harvesting	Rice is already harvested in these areas.	
		Jalalabad	Farm Jadeed	Harvesting		
	Kunar	Asmar	Asmar	Grain filling	Good (better than normal)	Not existed
		Asadabad	Asadabad	Grain filling	Good (better than normal)	Not existed
	Laghman	Mihtarlam	Mihtarlam	Grain filling	Good (better than normal)	Not existed
Northeastern	Takhar	Bangi	Bangi	Grain filling	Normal	Not existed
		Taluqan	Taluqan	Grain filling	Normal	Not existed
	Kunduz	Imam Sahib	Imam Sahib	Harvesting	Rice is already harvested in this area.	
		Qaliazal	Aqtipa	Grain filling	Good (better than normal)	Not existed
		Chardara	Chardara	Grain filling	Good (better than normal)	Not existed
		Kunduz	Kunduz	Harvesting	Rice is already harvested in this area.	
	Baghlan	Pulikhomri	Pozaishan	Grain filling	Normal	Not existed
	Badakhshan	Faizabad	Faizabad	Grain filling	Good (better than normal)	Not existed
South Eastern	Khost	Khost	Khost	Grain filling	Good (better than normal)	Not existed
		Khost	Shimal	Grain filling	Good (better than normal)	Not existed
		Ali Sher	Ali Sher	Grain filling	Good (better than normal)	Not existed
	Paktai	Zormat	Rohani Baba	Grain filling	Normal	Not existed
		Gardiz	Tera	Grain filling	Normal	Not existed
	Paktika	Urgon	Urgon	Grain filling	Normal	Not existed
		Sharana	Sharana	Flowering	Normal	Not existed
		Khairkot	Khairkot	Flowering	Normal	Not existed
Northern	Balkh	Dihdadi	Dihdadi	Grain filling	Normal	Not existed
		Nahrishahi	Nahrishahi	Grain filling	Normal	Not existed
	Jawzjan	Sheberghan	Sheberghan	Flowering	Normal	Not existed
		Darzab	Darzab	Flowering	Normal	Not existed
	Saripul	Saripul	Saripul	Flowering	Normal	Not existed
		Sozmaqala	Sozmaqala	Flowering	Normal	Not existed
	Faryab	Maimana	Maimana	Flowering	Normal	Not existed
	Samangan	Aibak	Aibak	Flowering	Normal	Not existed
		Dara Souf Bala	Dara Souf Bala	Flowering	Normal	Not existed
Western	Badghis	Qalainow	Qalainow	Flowering	Normal	Not existed
	Hirat	Shindand	Shindand	Harvesting	Rice is already harvested in these areas.	
		Hirat	Zindajan	Harvesting		

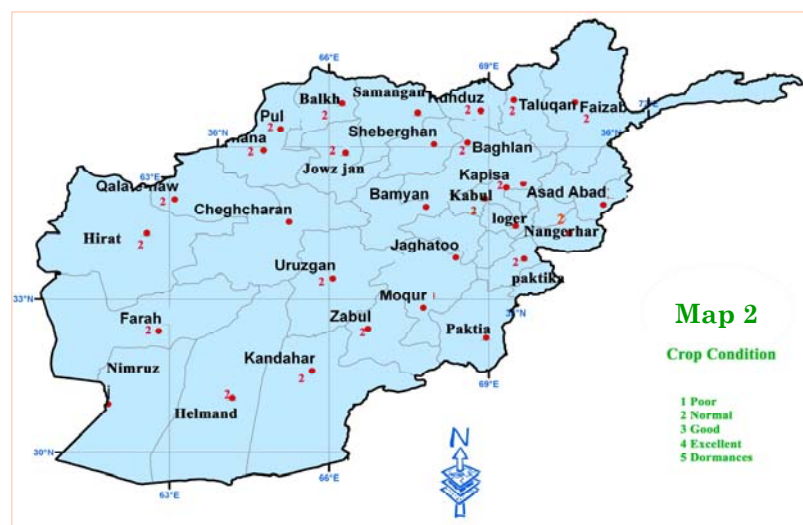


# Crop Stage, Crop Condition and Adverse Factor, Maps

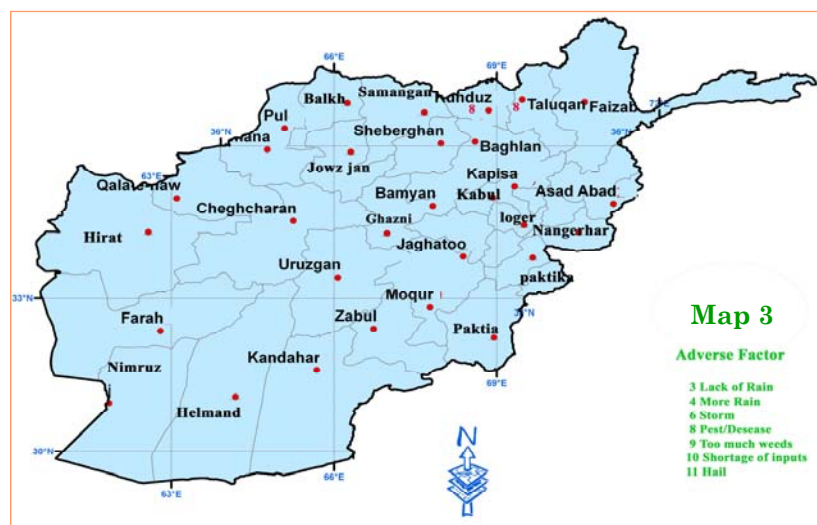
## Maize - Crop Stage - September 2009



## Maize - Crop Condition - September 2009

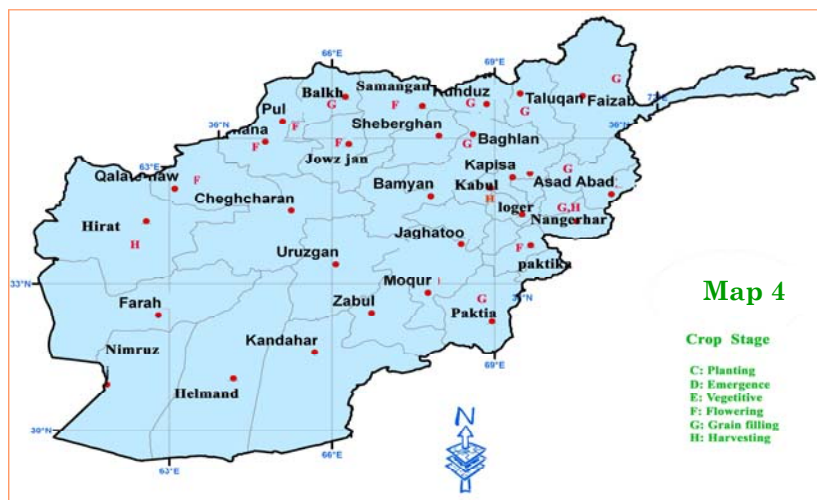


## Maize - Adverse Factor - September 2009

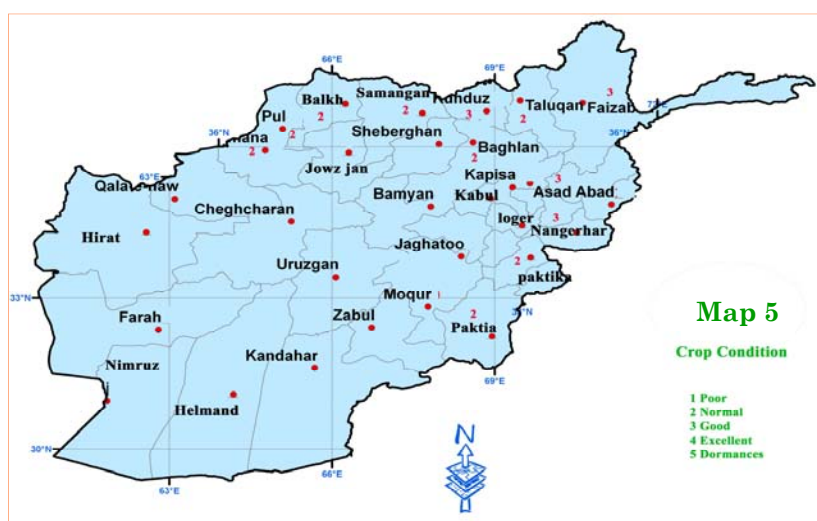


## Crop Stage, Crop Condition and Adverse Factor, Maps

Rice - Crop Stage - September 2009



Rice - Crop Condition - September 2009



Rice - Adverse Factor –September 2009

Not Existed

## Precipitation

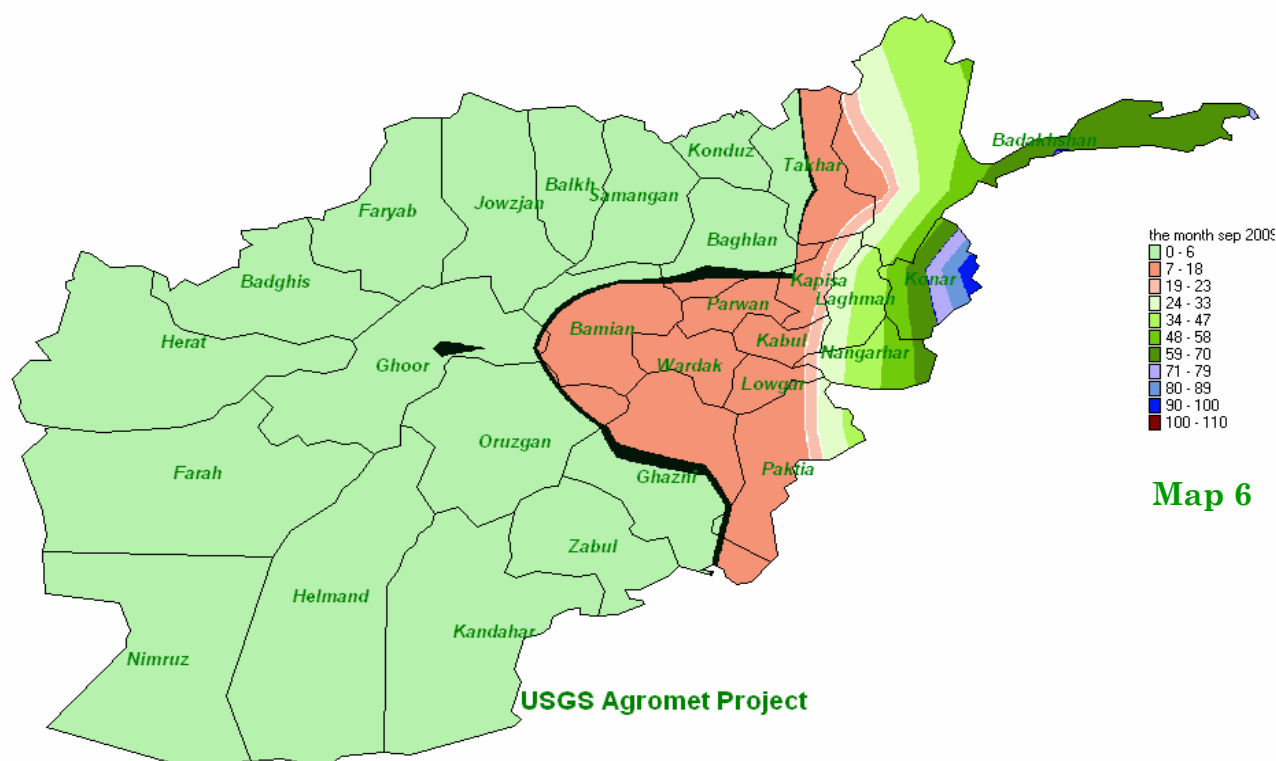
Wet season for the country has given ways to more dry weather during the summer. During September 2009 low pressures systems associated with Indian monsoon brought rain to Eastern, Southeastern, Northeastern regions and some parts in the Capital region which accompanied by showers and thundershowers. After a short wet period earlier in September 2009, seasonal dry weather continued into the beginning of October 2009.

Comparison of rainfall data for the month of September 2009 with the same month in 2008 chart (1) shows no significant change occurred in rainfall situation during the month of September 2009 over the same month of last year, however comparison shows rainfall had variable values, as in some location rainfall had an increase during the month of Sep 2009 compared to the same month of last year particularly in Asmar, Cheghchran, Darulaman and Khost, in some location rainfall had decrease such as Gaziababd, Jalalabad and Urgan. The percentage +/- of rain-

Comparison of rainfall data for the month of September 2009 with the same month of long term average chart (2) shows rainfall had small increase during the month of September 2009 compared to the same month of long term average, however rainfall had large increase in Asmar during the month of September 2009 over the same month of long term average, but in general rainfall had small increase during the month of September 2009 compared to the same month of long term average. The percentage +/- of rainfall shown in next page table (1).

Map (6) shows distribution of rainfall for the month of September 2009 in the country. As map (6) shows most amount of rainfall occurred in the Eastern region during the month of September 2009, the Northeastern region Southeastern and the Capital region experienced low amount of rainfall. In the remaining regions of the country seasonal dryness has been continued.

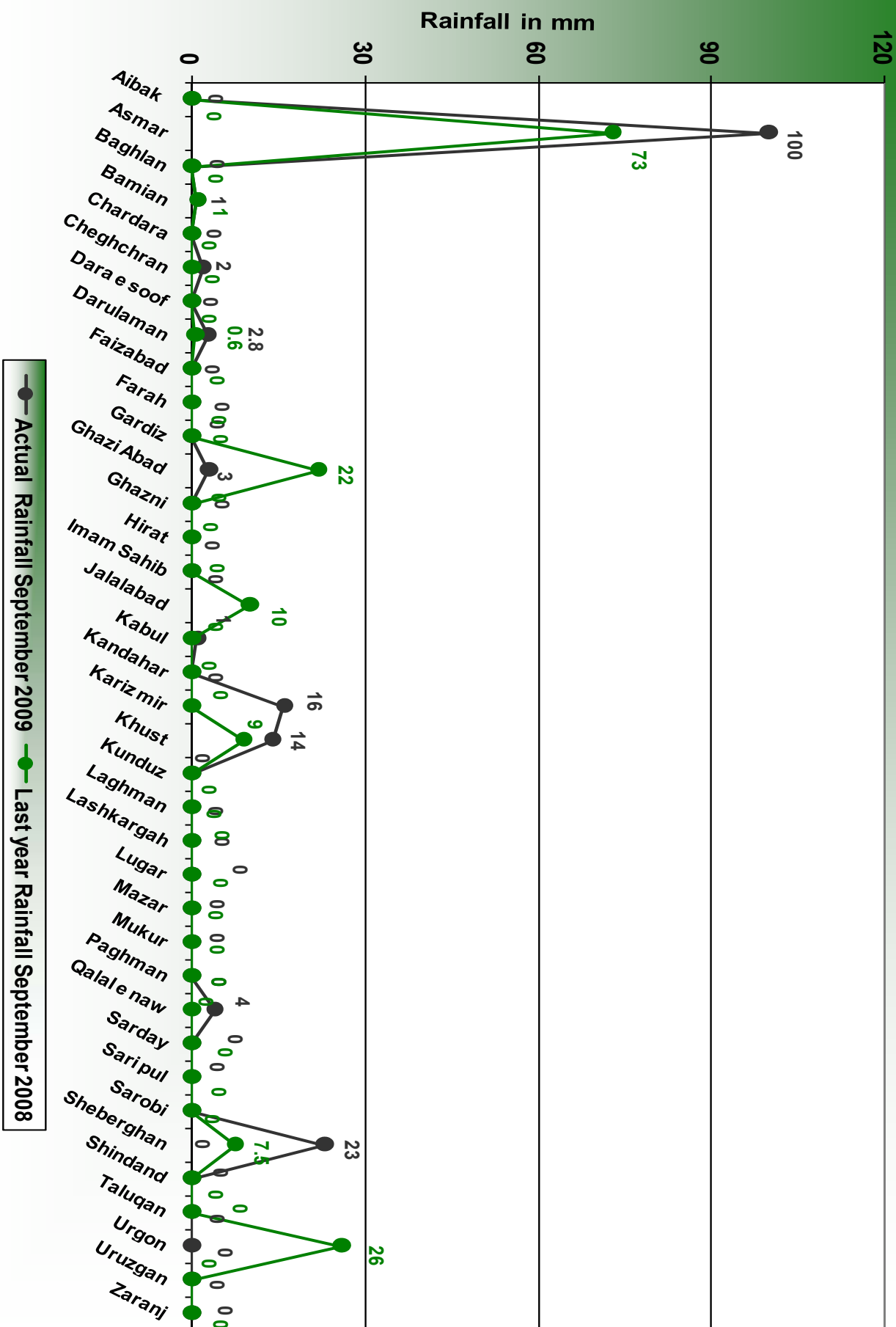
**Afghanistan's Monthly Rainfall (September 2009)**



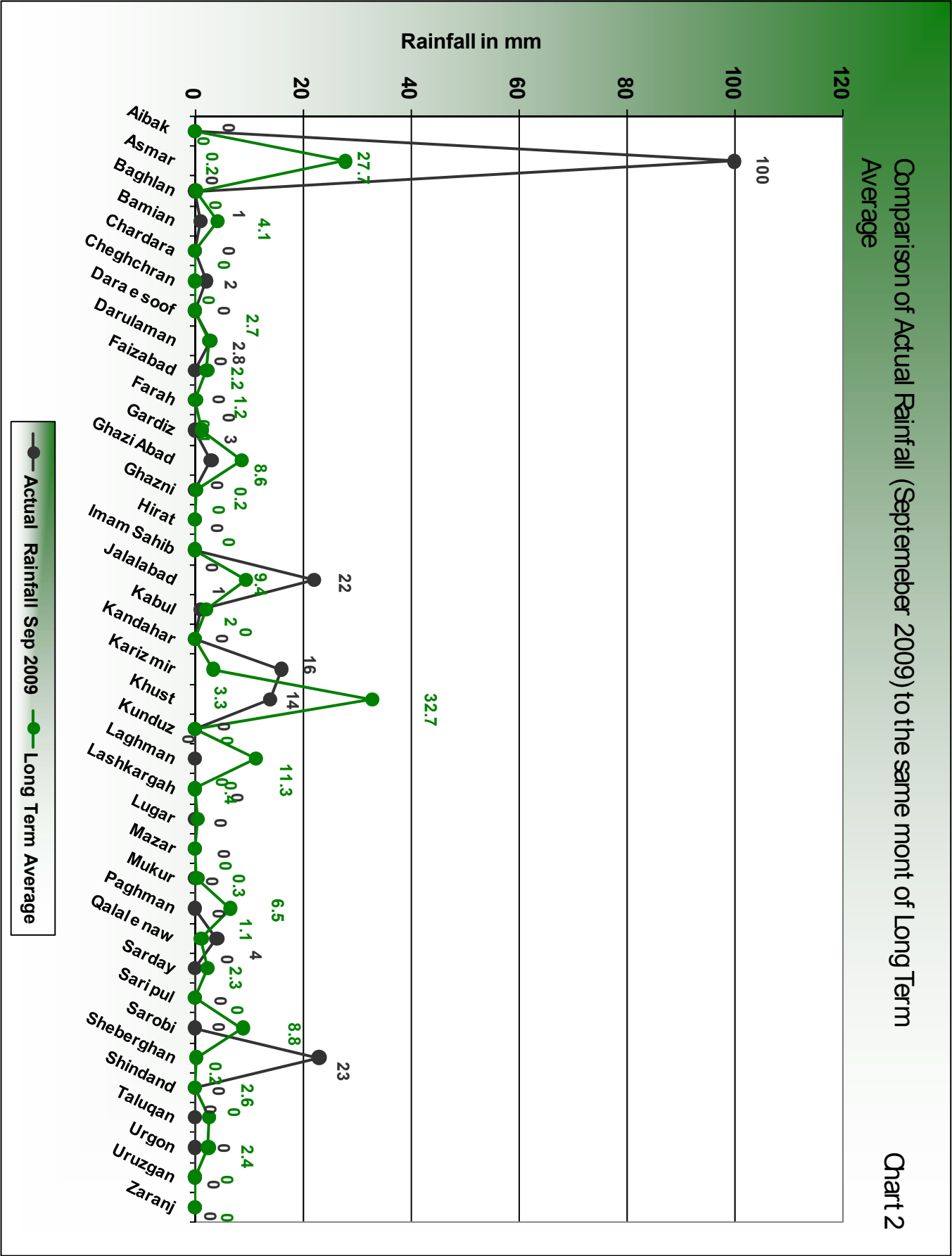


## Rainfall Graphs for the Month of September 2009

Comparison of Actual Rainfall (September 2009) to the same month of Long Term Average Chart 1



Rainfall Graphs for the Month of September 2009



# Rainfall for the Month of September 2009

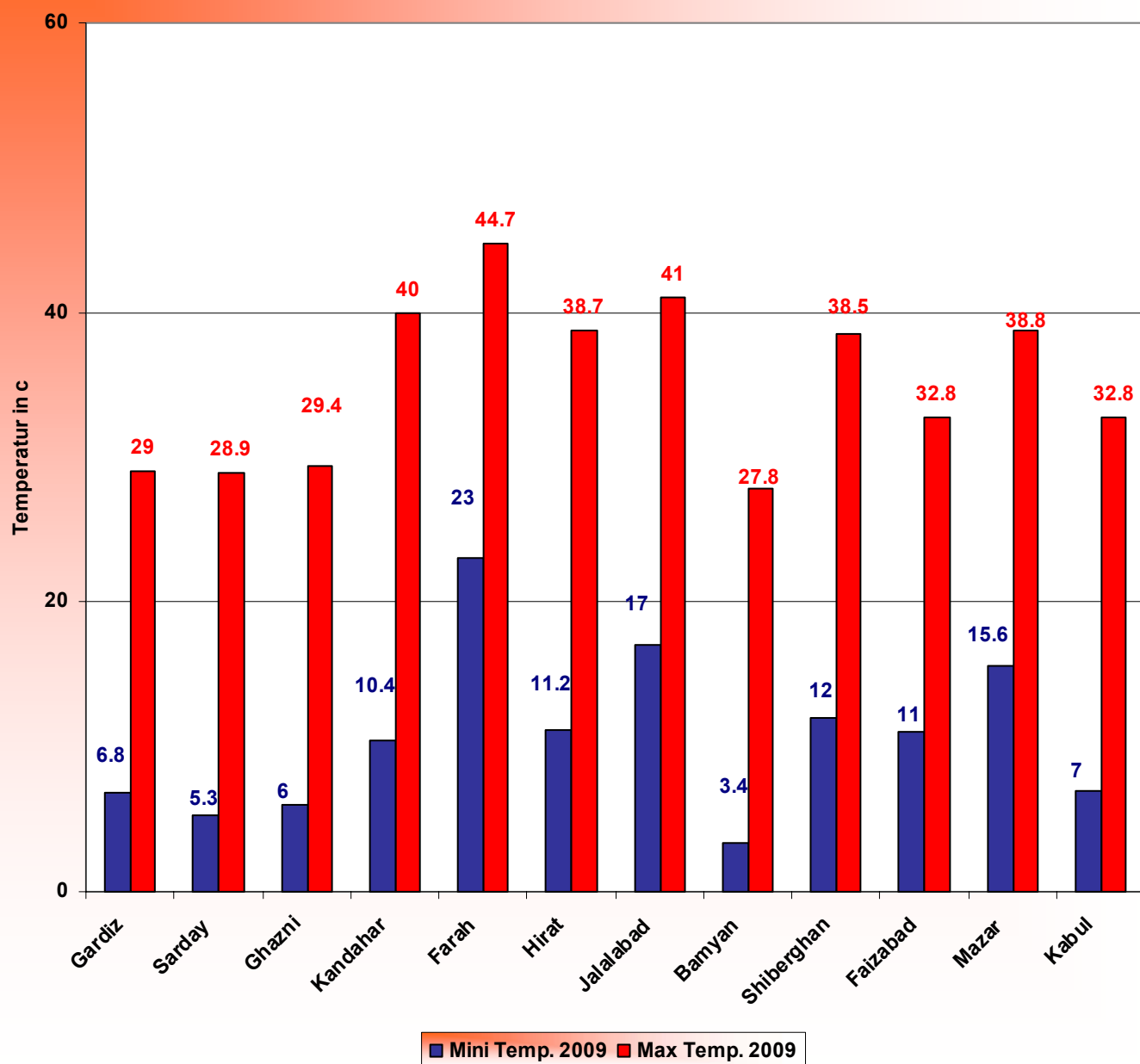
Table 2

Name	Actual Rainfall September 2009	Last year Rainfall September 2008	Long Term Average
Aibak	0	0	0
Asmar	100	73	27.7
Baghlan	0	0	0.2
Bamian	1	1	4.1
Chardara	0	0	0
Cheghchran	2	0	0
Dara e soof	0	0	0
Darulaman	2.8	0.6	2.7
Faizabad	0	0	2.2
Farah	0	0	0.1
Gardiz	0	0	1.2
Ghazi Abad	3	22	8.6
Ghazni	0	0	0.2
Hirat	0	0	0
Imam Sahib	0	0	0
Jalalabad	0	10	9.4
Kabul	1	0	2
Kandahar	0	0	0
Kariz mir	16	0	3.3
Khust	14	9	32.7
Kunduz	0	0	0
Laghman	0	0	11.3
Lashkargah	0	0	0
Lugar	0	0	0.4
Mazar	0	0	0
Mukur	0	0	0.3
Paghman	0	0	6.5
Qalal e naw	4	0	1.1
Sarday	0	0	2.3
Sari pul	0	0	0
Sarobi	0	0	8.8
Sheberghan	23	7.5	0.2
Shindand	0	0	0
Taluqan	0	0	2.6
Urgon	0	26	2.4
Uruzgan	0	0	0
Zaranj	0	0	0

## Average Temperature for the Month of September 2009

Minimum and Maximum Temperature of September 2009

Chart 3



**Farah with 44.7 C° was the warmest spot of the country during the month of September 2009 .**

Chart (3) shows maximum and minimum temperature for the month of September 2009.

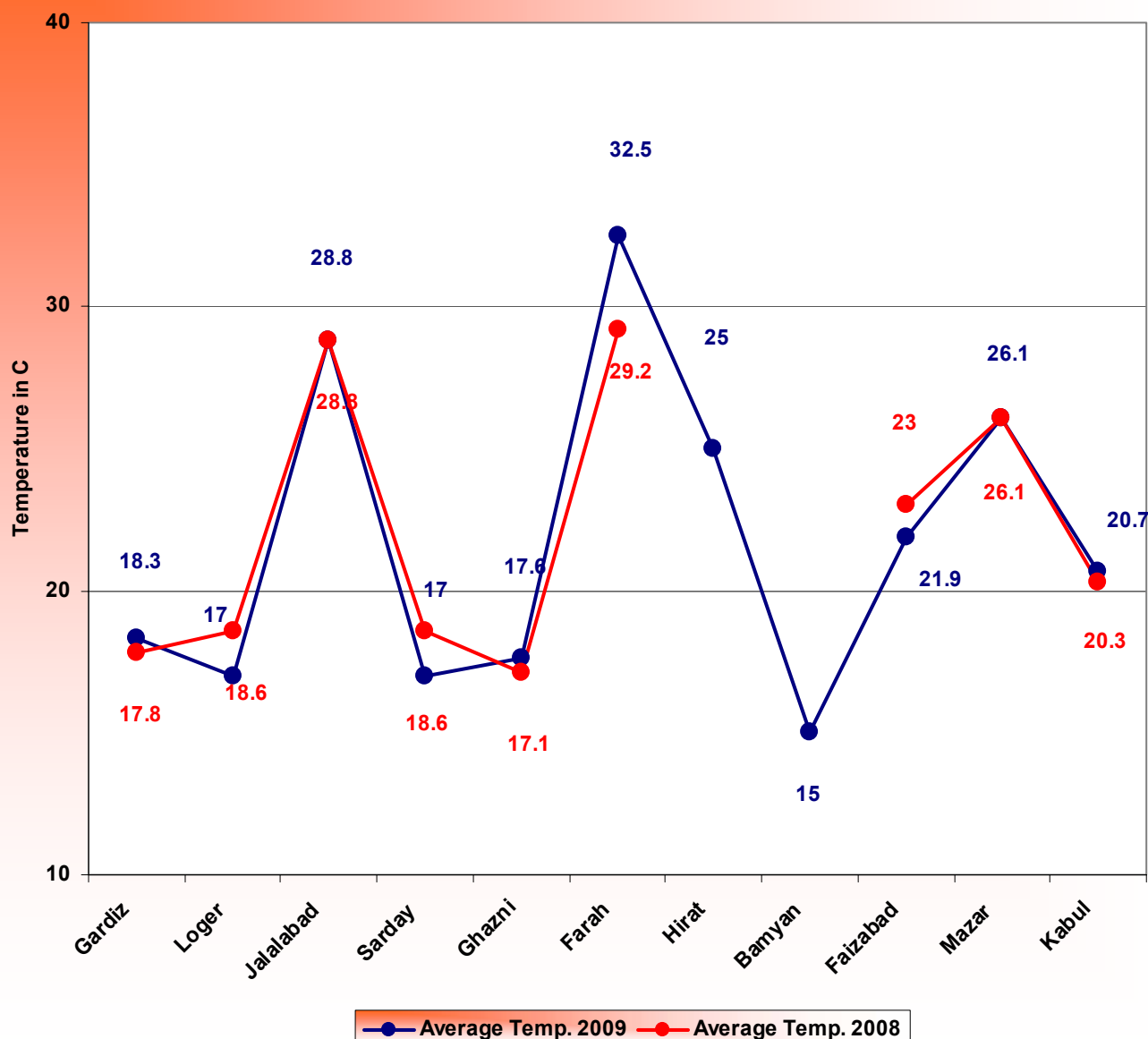
warmest spot of the country during the month of September 2009 but, Bamyan with 3.4 C° experienced lowest temperature.

As chart (3) shows Farah with 44.7 C° was the

## Temperature for the Month of September 2009

Average Temperature (September 2009) Compared with the Same Month of 2008

Chart 4



No significant change occurred in temperature during the month of September 2009 .

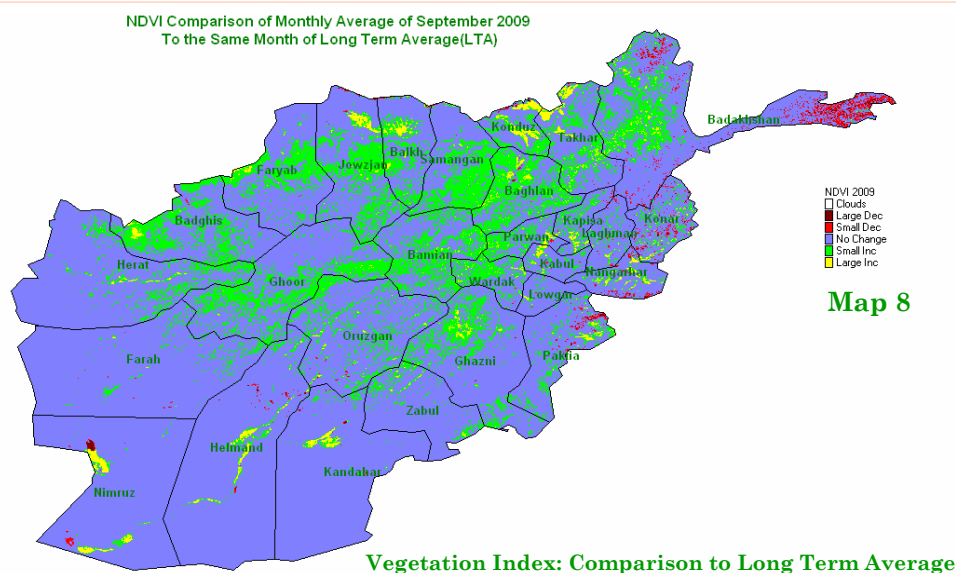
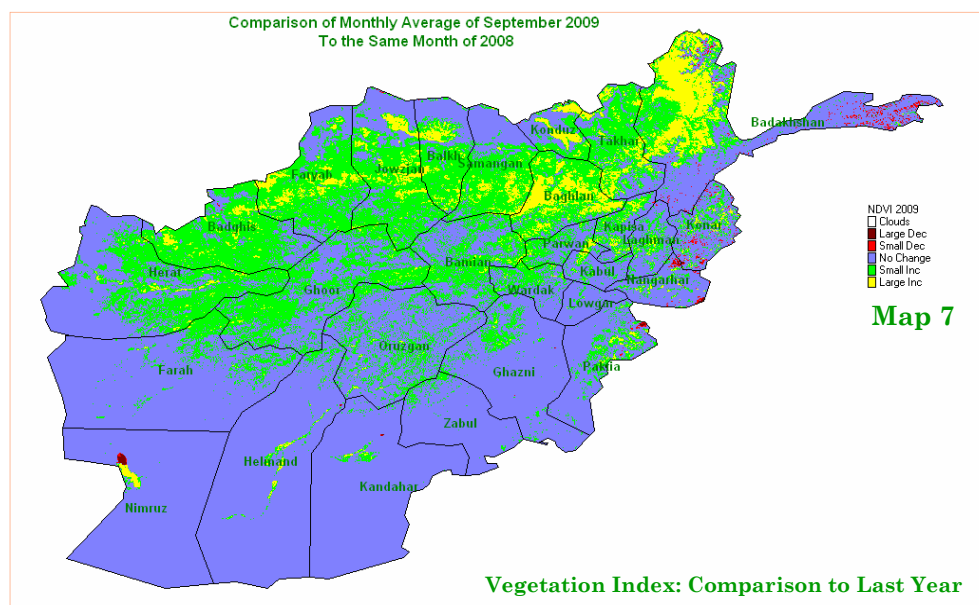
No significant change occurred in temperature during the month of September 2009 compared to the same month in 2008 across the country.

Comparison of monthly average of temperature for the month of September 2009 with

the same month of last year chart (4) shows there is no significant change of temperature for the month of September 2009 over the same month of last year, but temperature was colder in high elevations.



## Comparison of NDVI September 2009



### NDVI: September 2009

Comparison of monthly average of NDVI for the month of September 2009 with the same month in 2008 map (7) shows small increase of NDVI in the Northern region, Northwestern region, Western region, some parts in Central Highlands and Capital region during the month of September 2009 compared to the same month of last year, and large increase occurred in NDVI in limited area in Northeastern region too.

There is no change in NDVI value in the Southeastern region, Southern region, Southwestern region during the month of September 2009 compared to the same month in 2008.

Comparison of monthly average of NSVI for the month of September 2009 with the same month of long term average map (8) shows small increase of NDVI as separated in some parts of the Northeastern region, Northern region, Northwestern region, Central Highlands and the Capital region during the month of September 2009 compared to the same month of long term average.

There is no change if NDVI in the Southern, Southeastern, Western and Southwestern regions during the month of September 2009 over the same month of long term average.

## Flood information

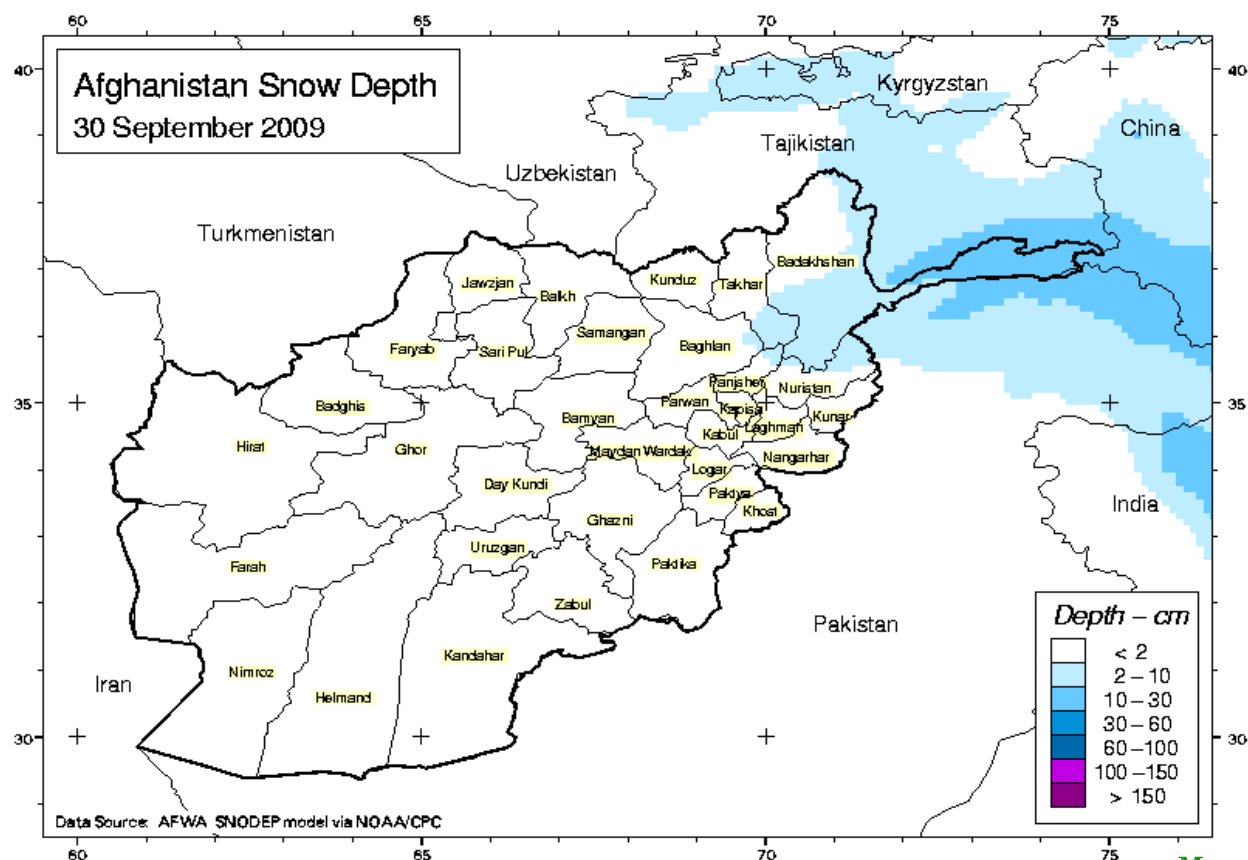
**Brief information about flooding during the month of September 2009**

Province	Damaged lands	Animal mortality	Human mortality	Affected families
Nangarhar	No of land production	-	-	-
Laghman	No of land production	-	-	-
Kunarha	40 Hectares	-	-	-
Kapisa	No of land production	15	4 France solders	-
Balkh Jawzjan	No of land production	-	More than 900 people in the affected households	150

**Historical flooding in Afghanistan.**

Month	Number of historical flood	Number of flood September 2009
Jan	3	0
Feb	4	0
Mar	7	0
April	14	0
May	8	0
June	8	0
July	11	0
Aug	6	0
Sep	5	6
Oct	0	0
Nov	4	0
Dec	1	0

## Afghanistan Snow Depth for the of September 2009



**Map 9**

During the winter months a deep snow pack developed across the Central Highlands and Northeastern mountains.

Map (9) shows remaining snow pack at the end of September 2009 in the highest elevation of the Northeastern region, where the snow depth has been recorded 10 to 30 cm.

Snow pack now remains limited to the highest elevations of the Northeastern, as typical for September 2009.

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